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(71)Applicant : LIVESTOCK IMPROVEMENT
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(54) PRESERVATION OF MAMMALIAN EMBRYO OR OVUM AND THAWING DILUTION OF FROZEN MAMMALIAN EMBRYO OR OVUM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for preserving and thawing and diluting mammalian embryos or ova in high survival rate without concern for being infected with virus or bacteria.

SOLUTION: This method comprises the following practice: mammalian embryos or ova are stuck with a vitrified liquid in the minimum amount enough to coat them onto the inner surface of a sterilized container for freeze preservation such as frozen straw, frozen vial or frozen tube followed by sealing the resultant container and then bringing it into contact with liquid nitrogen to effect rapid chilling; for thawing the embryos or ova thus frozen, the container preserved by the method described above is withdrawn from the liquid nitrogen, one end of the container is opened, and the resulting container thus opened is directly injected with a diluent at 33-39°C to thaw and dilute the frozen embryos or ova.

